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From: Commanding Officer, Engineering Field Activity, West, Naval Facilities Engineering Command
To: Distribution
Subj: MONTHLY PROGRESS REPORT FOR FEBRUARY 1996, ENGINEERING FIELD ACTIVITY, WEST, NAVAL FACILITIES ENGINEERING COMMAND, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Encl: (1) March 1996 Monthly Progress Report (MPR)

1. Enclosure (1) is forwarded for your information.
2. If you have any questions, please contact the undersigned at (415)244-2655.

Original signed by:

RICHARD E. POWELL
By direction of
the Commanding Officer

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ACTIVITY, WEST, NAVAL FACILITIES ENGINEERING COMMAND, HUNTERS
POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

RAB Member: Mayor's Hunters Point Shipyard Citizens Advisory Committee
(Attn: Al Williams)

RAB Member: San Francisco Dept. of Public Works (Attn: Samuel Murray)

RAB Member: SEED (Attn: Sy-Allen Browning)

RAB Member: ARC Ecology (Attn: Saul Bloom)

RAB Member: Law Offices of Leslie R. Katz (Leslie Katz)

RAB Member: Michael Harris

RAB Member: Karen Huggins

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**INSTALLATION RESTORATION PROGRAM
MONTHLY PROGRESS REPORT**

MARCH 1996

**NAVAL FACILITIES ENGINEERING COMMAND
HUNTERS POINT SHIPYARD**

1. PROGRESS DURING THE REPORT PERIOD

The following activities were accomplished during the report period:

- **Field Work:** Remedial investigation fieldwork has been completed for Parcels B and C with the exception of (1) surveying of monitoring wells in Parcel C which is underway, and (2) potential step-out borings/wells in Parcel C, which will be selected pending on analytical results from recently complete borings. During the month of March, the drilling and sampling was completed for the four off-site borings adjacent to IR-18.

The field work in Parcels D and E continued. The last soil borings were advanced and monitoring wells were installed at Parcel D during the month of March. Soil and water samples were collected for analyses. Monitoring wells with less than three rounds of sampling have been placed on a groundwater sampling schedule. These monitoring wells will have at least three rounds of sampling by the month of May. The field sampling plan for the proposed activities at the three formerly used defense sites (FUDS) was completed and submitted to the agencies for review during the month of January. Agency comments were received, and responses and a finalized field sampling plan will be prepared by next month. The Navy has decided to place on hold the field work associated with the FUDS until a decision can be reached on whether the Navy or the Army will be responsible for the implementation of these investigations.

Several buildings in Parcels B, C and D may pose a risk regarding inhalation of vapors due to solvents in the underlying soils. To determine the actual risk, an air sampling program was prepared to be conducted concurrently with the ongoing field work. The air sampling was conducted inside the buildings with one set of samples taken at the breathing level of occupants and one set of air flux samples to be taken beneath the existing building floor. A total of 11 sample locations in 8 buildings in Parcels B, C, and D were sampled in February 1996. The air data will be analyzed to evaluate potential risks. The data is currently being evaluated.

- The offshore sampling supporting the Phase 1B Ecological Assessment was completed on February 14, 1996. All bioassays have been completed and chemical analyses are underway with anticipated completion of all sediment and pore water samples by the end of March 1996. The completion of the tissue samples is anticipated by mid-April 1996.
- **Parcel A:** The process of transferring Parcel A from the Navy to the City of San Francisco continues on schedule. The last requirement for the finalization of the Parcel A Record of Decision (ROD) consists of a formal notification in the local newspaper

announcing the signing of the document and its availability to the public. The notification was published on March 10, 1996.

The next step in the transfer process consists of the preparation of the Environmental Baseline Survey (EBS) and Finding of Suitability to Transfer (FOST) documentation, along with the preparation of the Environmental Impact Statement/Report (EIS/EIR). The scoping meeting for the preparation of the Parcel A EBS/FOST documentation was held on March 26, 1996. It was determined that a Parcel A-Specific EBS was not necessary. The draft Parcel A FOST is due to the agencies for review in early June.

Clean out of the Parcel A storm drains has been completed. The analytical results have been evaluated. The Parcel A Storm Water Monitoring Report is being reviewed by the Navy. Distribution to the regulatory agencies for review is expected in April 1996.

The final item concerning Parcel A consists of the preparation of a Notice of Well Abandonment for the monitoring wells installed during the RI. The Navy prepared the Notice of Well Abandonment for Parcel A and obtained concurrence to proceed from EPA, DTSC, RWQCB, and the City of San Francisco. The Navy is in the process of preparing the scope of work for the implementation of the abandonment of monitoring wells in Parcel A. This work is estimated to proceed in the first and second weeks of April.

- **RI Reports:** The Draft Parcel B RI Report was delivered to the regulatory agencies on January 31, 1996 for review. A meeting to discuss the agencies' preliminary comments or questions was held on March 6, 1996. Written comments were received on March 18, 1996. Progress is ongoing in the preparation of the Parcels D, C, and E RI reports.
- **Air Monitoring:** The Navy received EPA's comments on the draft Phase II Air Monitoring Report. The Navy is currently addressing the agencies' comments and evaluating the need for building specific air sampling. Included with the responses to comments will be the proposed building specific air sampling locations to complete the RI fieldwork. The draft final is expected to be submitted in April 1996.
- **Background Levels:** The Navy received a letter dated October 2, 1995 from the Department of Toxic Substances Control (Department) on the Hunters Point Ambient Level (HPAL) Report. In that letter, DTSC accepted the HPALs for all metals and soil types as proposed by the Navy with an expression of concern over the data quality of a portion of the data used in the calculations. In the response letter dated March 28, 1996, the Navy addressed the data quality issues and reaffirmed the acceptance of the HPALs by both the Navy and DTSC.
- **Removal Actions:**
 - Pickling and Plate Yard (IR-9): This removal action conducted by Public Works Center San Francisco Bay (Public Works) has been completed. A jobsite walk through was conducted by representatives from EFA West, Navy Public Works, and Navy's contractors on March 19, 1996. During the walk through it was noticed that three monitoring wells inside the pickling and plate yard were damaged during the removal action. These monitoring wells will be repaired. On March 27, 1996, representatives from the Navy, EPA, DTSC, RWQCB and the navy's consultants visited the jobsite during a limited site

inspection of the shipyard. The Navy has started the preparation of the preliminary draft Construction Summary Report.

Exploratory Excavations: This work is being performed by PRC Environmental Management Inc. (PRC). The final Exploratory Excavation Engineering Evaluation/Cost Analysis (EE/CA) was revised, finalized, and submitted on March 22, 1996. Public notices were advertised in two local newspapers announcing the public comment period. The public comment period ends on April 16, 1996.

Groundwater Plumes: This work is being performed by PRC. During the February 7, 1996 meeting, the BCT agreed to pursue the Parcel E groundwater removal action and stop work on the Parcels B and C groundwater plume EE/CAs. Work performed in preparing the Parcels B and C groundwater plume EE/CAs will be folded into the Parcels B and C Feasibility Study. PRC submitted the draft IR 1/21 groundwater EE/CA (Parcel E EE/CA) on March 21, 1996. The document incorporated comments received from the regulatory agencies during the January 30 and February 7 meetings during which PRC presented the project.

A draft version of the implementation work plan has been initiated. The implementation work plan, which will be used by the remedial action contractor (RAC), IT Corporation, is divided into two phases. Phase 1 is written in the form of a statement of work and covers the preliminary tasks such as surveying and cone penetrometer testing to investigate subsurface conditions along the proposed alignment of the sheet pile wall. Phase 2 is an abbreviated performance specifications and will cover the remainder of the work.

Removal of Contaminated Soils and Floating Product at IR-3: This work is being performed by PRC and Levine-Fricke. The draft IR-3 EE/CA is under internal review and is due to the regulatory agencies on April 23, 1996. A sample of the floating product was collected from a well in IR-3 and analyzed for viscosity and distillation properties to aid in the consideration of potential treatment alternatives.

Proposed Repair of the Storm Drains and Removal of Sediments: This work is being performed by PRC and IT Corporation. The field work was conducted in mid-January 1996 for this removal to determine storm drain system reaches with potential for infiltration of contaminated groundwater. The draft EE/CA is expected to be submitted to the regulatory agencies for review on April 5, 1996.

Sandblast Removal: This work was performed by Battelle. A summary report and a technical transfer document was submitted to the agencies in January 1996.

Tank Farm (IR-6) Removal: This work is being performed by Navy's public Works Center. The Navy submitted to the agencies for review the Draft EE/CA in early December. Agency comments were provided in January. Revised Draft Final EE/CA will be completed late April.

Sediment Removal at Dry dock 4: This work is being performed by Mare Island Shipyard (MINS). The agencies provided comments on the EE/CA submitted by MINS two months ago. Navy will be submitting new schedules for this removal action. Additional sampling was conducted in February to perform the modified WET tests for bay water exposure.

Laboratory analysis began in March. Preliminary results indicate low to ND on most metals.

- **Ecological Risk Assessment Phase 1B:** The draft Preliminary Assessment (PA) Parcel F Report was submitted for review to the agencies on February 22, 1996. See Field Work for progress on the ecological sampling effort.
- **Radiation Issues:** (1) The low-level radioactive waste storage bin in building 130 was manually ventilated to reduce the radon gas concentration. This is an ongoing monthly activity. (2) The Navy is preparing an abbreviated feasibility study to evaluate the alternatives, costs, public perception, and other factors associated with the removal of radium dials in the landfill. This issue becomes problematic because of the presence of organic and inorganic contamination in the landfill. This document is expected to be available for regulatory agency input in April 1996. (3) The draft Phase III Radiation Investigation Work Plan was submitted February 15, 1996 for review. Agency comments were received from EPA and DTSC by March 25, 1996. Currently the work plan is being revised and a response to comments is being prepared to address the agencies comments. Responses to comments are due on April 25, 1996. (4) The Navy is preparing a technical memorandum that will address the tidal area surrounding IR-2. It is expected that this technical memorandum will be submitted to the regulatory agencies in April 1996. (5) An internal Navy meeting was held in January to discuss the screening and disposal of IDW drums. On March 21, 1996, the regulatory agencies agreed to the release of 82 drums and 2 bins of IDW from IR-7 and IR-18 based on the determination that the radioactivity measured was the result of the naturally occurring radiation material. As a result of this decision, the number of drums to be screened by the Navy's radiation contractor has undergone a change in scope. The rescoping of this task will change the estimated time of completion for the field screening into June 1996. (7) The cesium spill area behind Building 364 (cesium absorbed into the asphalt in the parking lot) was removed in February by ATG, a RASO contractor. The contaminated material was sent off site for proper disposal.
- **Community Relations:** The draft CRP was submitted to the agencies for review on February 14, 1996. At the request of the EPA, four additional questionnaires have been distributed to community members for inclusion in the draft final CRP. The additional input should allow input from those unavailable earlier, as well as reflect the recently elected City of San Francisco administration. The Navy has received response to the questionnaires from two individuals. An attempt was made to contact the two remaining individuals but no response has been received. EPA requested an extension of the review period. The delivery of the last set of agencies comments was received on March 29, 1996. The draft final CRP is due to the agencies on April 29, 1996.

2. REPORTS SUBMITTED AND MEETINGS

Meetings

- The BCT/remedial project manager meetings took place on March 6 and 27, 1996.
- A RAB meeting was held on March 13, 1996.

- Navy met with city representatives at CMT meeting on March 14, 1996.
- On March 20, 1996, PRC attended a coordination meeting with the remedial action contractor (RAC), IT Corporation to discuss upcoming interim removal actions.

Submittals

- Draft IR-1/21 EE/CA was submitted for review on March 13, 1996.
- Base Realignment and Closure (BRAC) Cleanup Plan (BCP) Revision 2.0 was distributed on March 15, 1996.
- Draft Storm Drain EE/CA was submitted to the Navy for review on March 15, 1996.
- Final Revised Exploratory Excavation EE/CA was distributed on March 22, 1996.
- Draft IR-3 EE/CA was submitted for Navy review on March 26, 1996.
- Draft final revised Installation Specific Quality Assurance Project Plan Elements (ISQE) was submitted to the Navy for review on March 26, 1996.
- Draft Technical Memorandum addressing the Study of Groundwater Sampling Methods for Metals was submitted on March 29, 1996.
- Draft Final IR-6 Tank Farm EE/CA public comment period expected to begin mid-April.

3. PROBLEMS ENCOUNTERED AND RESOLUTIONS

- **Offsite Access for RI Work:** The Navy completed the drilling and sampling of the four borings near IR-18. The draft final Parcel B RI report will report the findings. If additional work is required it will be reported in later documents.
- **Waste Management:** The revised schedule for this additional work and subsequent disposal is currently being prepared by EFA WEST and RASO.
- **PCB Occurrences:** EPA expressed some concern regarding the widespread occurrence of polychlorinated biphenyls (PCB) at low levels site wide. The Navy is reviewing a response that evaluates locations with PCB concentrations that exceed 1 mg/kg to determine an appropriate response action. This document is being reviewed by the Navy to ensure that any additional work is incorporated in the ongoing remedial investigation, and will be subsequently be distributed to the agencies.
- **Risk Assessment:** There is ongoing discussion between Navy and the agencies regarding the methodology that will be used for the calculation of the HHRA for the Parcel B RI report. The disagreement centers in the area size of the grid that will be used for calculation purposes. The resolution to this issue was to perform the HHRA for the draft Parcel B RI Report based on a 1/2-acre grid size, and submit a HHRA based on a 2,500-SF

grid size for residential exposure in the draft final Parcel B RI Report and compare the conclusions. The draft HHRA based on a 2,500 square feet grid size was submitted to the agencies for review on February 29, 1996. The final resolution of this issue is to use the HHRA based on the 2,500 square feet grid in the draft final Parcel B RI report. Based on discussion between the Navy and the agencies, changes were made to the approach to better address concerns over dust inhalation and vegetable intake. The agencies and the Navy plan to meet on April 2, 1996 to review the Parcel B RI recommendations using the 2,500 square feet grid HHRA, and agree on a list of those sites within Parcel B that should be evaluated in the feasibility study.

4. REPORTS AND ACTIVITIES FOR APRIL 1996

Documents Scheduled for April 1996 Submittal

- Draft Final Facility-Wide Groundwater Monitoring Plan
- Response to agencies' comments on the Draft Final Subsurface Radiation Investigation in Parcels B and E Report
- Draft Parcel E Technical Memorandum on Parcel E Radium Dial Cleanup
- Draft Parcel A Storm Drain Monitoring Report
- Draft Final Phase 2 Air Sampling Report
- Draft Storm Drain EE/CA
- Draft OU-II Monitoring Annual Report
- Draft Final FUDS Work Plan

Activities Planned for April 1996

- **Field Investigations:** Continue with the implementation of the RI field work for all Parcels. Tasks include drilling, surveying, monitoring well installation, sump clean out and others.
- **Removal actions:** Continue work at Dry Dock 4 and IR-6.
- **Meetings:** Attend scheduled BCT/RPM meetings on April 18, 1996. Attend RAB meeting on April 24, 1996.
- **Radiation Issues:** Prepare the screening of NRDL sites. Continue the radiation-related waste management activities.

- **RI Reports:** Continue the preparation of the Parcels B, C, D and E RI reports. Meetings between the Navy and agencies will be held April 2 and 16 to discuss the Parcel B feasibility study and the response to comments for the draft final Parcel B RI report.
- **BCT Activities:** Prepare for the monthly BCT/RPM meeting.
- **CRP Activities:** Prepare poster session for RAB meeting on April 24, 1996.

5. KEY PERSONNEL CHANGES

None.

6. PERCENTAGE OF PROJECT COMPLETION

To better provide information regarding the project activities, this section will be reorganized in a subsequent monthly progress report. This reorganization will consist of restructuring the listing of activities based tasks such as report preparation, fieldwork, and associated activities and their status.

ACTIVITY/DELIVERABLE

PERCENTAGE COMPLETE

PARCEL B

RI Work (Excluding Site Assessment Sites)

- | | |
|-------------------------------------|------|
| • RI Sampling | 100% |
| • RI Lab Analysis/Data Validation | 94% |
| • RI Data Management/Interpretation | 93% |

RI Work at Site Assessment Sites

- | | |
|-------------------------------------|------|
| • RI Sampling | 100% |
| • RI Lab Analysis/Data Validation | 70% |
| • RI Data Management/Interpretation | 70% |

RI Work (Including Site Assessment Sites)

- | | |
|-------------------------|------|
| • Draft RI Report | 100% |
| • Draft Final RI Report | 30% |

ACTIVITY/DELIVERABLE**PERCENTAGE COMPLETE****PARCEL C/DRY DOCK NO. 4****RI Work (Excluding Site Assessment Sites)**

- RI Sampling 96%
- RI Lab Analysis/Data Validation 96%
- RI Data Management/Interpretation 94%

RI Work at Site Assessment Sites

- RI Sampling 60%
- RI Lab Analysis/Data Validation 20%
- RI Data Management/Interpretation 5%

RI Work (Including Site Assessment Sites)

- Draft RI Report 10%
- Draft Final RI Report 6%

PARCEL D**RI Work (Excluding Site Assessment Sites)**

- RI Sampling 100%
- RI Lab Analysis/Data Validation 96%
- RI Data Management/Interpretation 95%

RI Work at Site Assessment Sites

- RI Sampling 95%
- RI Lab Analysis/Data Validation 50%
- RI Data Management/Interpretation 40%

RI Work (Including Site Assessment Sites)

- Draft RI Report 30%
- Draft Final RI Report 0%

ACTIVITY/DELIVERABLE**PERCENTAGE COMPLETE****PARCEL E****RI Work (Excluding Site Assessment Sites)**

- | | |
|-------------------------------------|------|
| • RI Sampling | 100% |
| • RI Lab Analysis/Data Validation | 95% |
| • RI Data Management/Interpretation | 85% |

RI Work At Site Assessment Sites

- | | |
|-------------------------------------|-----|
| • RI Sampling | 40% |
| • RI Lab Analysis/Data Validation | 20% |
| • RI Data Management/Interpretation | 10% |

RI Work (Including Site Assessment Sites)

- | | |
|-------------------------|----|
| • Draft RI Report | 5% |
| • Draft Final RI Report | 0% |

TREATABILITY STUDIES/REMOVAL ACTIONS**Removal Actions****Pickling & Plate Yard, IR-9**

- | | |
|--|-------|
| • Implementation of Removal Action at Pickling and Plate Yard, IR-9 | 99.5% |
| • Draft Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 | 50% |
| • Draft Final Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 | 2% |

Soil at IR-6, Tank Farm

- | | |
|---|-----|
| • Implementation of Removal Action of Soil and Free Product in Soil at IR-6 | 20% |
| • Draft Summary Report of Removal Action of Soil and Free Product in Soil at IR-6 | 0% |
| • Draft Final Summary Report of Removal Action of Soil and Free Product in Soil at IR-6 | 0% |

ACTIVITY/DELIVERABLE**PERCENTAGE COMPLETE**

- Soil Sampling for Bioremediation Bench Scale Study 100%

Sandblast Grit Recycling

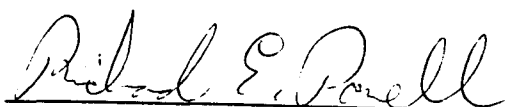
- Implementation of Sandblast Grit Recycling at OU I 100 %
- Draft Summary Report of Sandblast Grit Recycling at OU I 100 %
- Draft Final Summary Report of Sandblast Grit Recycling at OU I 0 %

EE/CA

- Draft EE/CA for Storm Drain System 90%
- Draft Final EE/CA for Storm Drain System 5%
- Draft EE/CA for Floating Products in IR-3 75%
- Draft Final EE/CA for Floating Products in IR-3 0%
- Draft EE/CA for Groundwater Plumes in Parcel E 80%
- Draft Final EE/CA for Groundwater Plumes in Parcel E 0%
- Draft Final EE/CA for Exploratory Excavations 100%

Facility-wide Investigations

- Draft Phase II Air Sampling Report 90%
- Ecological Risk Assessment Phase IB Implementation 45%
- Quarterly Groundwater Monitoring Implementation (OU II sites) 95%
- Draft Facility-wide Quarterly Groundwater Monitoring Work Plan 100%
- Draft Facility-wide Quarterly Groundwater Monitoring Work Plan Implementation 0%


RICHARD POWELL
LEAD REMEDIAL PROJECT MANAGER

4-18-96
DATE